

**FLEXIBILIZED RESORCINOLIC NOVOLAK RESINS
AND METHOD OF MAKING SAME**

ABSTRACT OF THE DISCLOSURE

5 A flexibilized resorcinolic novolak resin is prepared by reacting a phenolic compound,
such as resorcinol, with an unsaturated dihydroxy, an unsaturated aldehyde, an aliphatic
dialdehyde, or a mixture thereof. An aldehyde (different from the unsaturated aldehyde and the
aliphatic dialdehyde) is either simultaneously or subsequently added to the reaction mixture. The
flexibilized resorcinolic novolak resin can be used in an adhesive composition for enhancing the
10 adhesion between tire cords and rubber for tire applications.